

Abstract of the Disclosure

According to the present invention, organic-inorganic hybrid polymer materials with compositional gradient, and processes for preparing the same are provided. In the

5 organic-inorganic hybrid polymer materials with compositional gradient, formation of cracks, removal of surface, or deformation such as warp and distortion, under heat shock or upon aging, hardly occurs. The organic-inorganic hybrid polymer materials with compositional
10 gradient are comprised of an organic polymer component and a metal oxide component which are covalently bonded each other, characterized in that concentration of the organic polymer component, or of the metal oxide component is increased or decreased in the direction of thickness of the
15 material.